

## Wyandotte County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 158

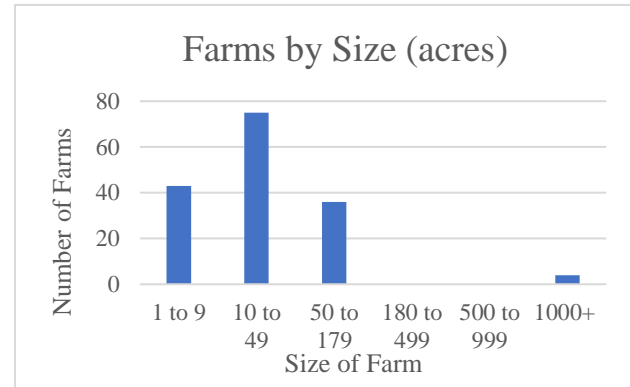
Average size: 78 acres

Land in farms: 12395 acres

Average value of products sold per farm: \$33,382

Average net cash farm income per farm: -\$5,911

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Wyandotte County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 38 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Wyandotte County economy.

### Results

These 38 sectors have a total direct output of approximately **\$1.3 billion** and account for **3,378 jobs** in Wyandotte County. Running the model for all 38 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Wyandotte County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	3378	3.0%	\$333,300,000	2.8%	\$1,344,300,000
Indirect Effect	1729	1.5%	\$183,400,000	1.5%	\$336,100,000
Induced Effect	377	0.3%	\$33,700,000	0.3%	\$56,500,000
<b>Total Effect</b>	<b>5,484</b>	<b>4.8%</b>	<b>\$550,400,000</b>	<b>4.6%</b>	<b>\$1,737,000,000</b>

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **5,484 jobs**, or **4.8%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$1.7 billion**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 38 agriculture, food, and food processing sectors is approximately **\$550.4 million**, or **4.6%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, Landscape and horticultural services is the top employer with **826 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Wyandotte County.

Sector	Total Employment
Landscape and horticultural services	826
Meat processed from carcasses	454
Bread and bakery product, except frozen, manufacturing	419
Cookie and cracker manufacturing	352
Wholesale - Grocery and related product wholesalers	276
Truck transportation	270
Dry pasta, mixes, and dough manufacturing	189
Other animal food manufacturing	164
Wholesale - Other nondurable goods merchant wholesalers	141
Management of companies and enterprises	126

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The meat processed from carcasses slaughtering sector is the top contributor, with approximately **\$242.9 million** to Wyandotte County.

Sector	Total Output
Meat processed from carcasses	\$242,900,000
Other animal food manufacturing	\$186,200,000
Cookie and cracker manufacturing	\$143,900,000
Dry pasta, mixes, and dough manufacturing	\$127,600,000
Dog and cat food manufacturing	\$88,900,000
Bread and bakery product, except frozen, manufacturing	\$70,700,000
Flour milling	\$70,300,000
Landscape and horticultural services	\$56,300,000
Fats and oils refining and blending	\$53,000,000
Wholesale - Grocery and related product wholesalers	\$51,100,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Wyandotte County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Meat processed from carcasses	\$242,879,698.57	454.4
Other animal food manufacturing	\$186,168,236.70	164.5
Cookie and cracker manufacturing	\$143,940,941.82	352.3
Dry pasta, mixes, and dough manufacturing	\$127,589,260.47	189.5
Dog and cat food manufacturing	\$88,910,361.88	64.7
Bread and bakery product, except frozen, manufacturing	\$70,700,215.23	419.5
Flour milling	\$70,252,399.16	57.4
Landscape and horticultural services	\$56,289,286.29	825.9
Fats and oils refining and blending	\$53,041,835.95	31.2
Rendering and meat byproduct processing	\$47,924,685.41	124.9
Nitrogenous fertilizer manufacturing	\$45,681,624.46	40.4
Pesticide and other agricultural chemical manufacturing	\$37,686,199.15	25.5
Food product machinery manufacturing	\$34,363,999.19	110.2
Frozen fruits, juices and vegetables manufacturing	\$30,179,772.17	62.3
All other food manufacturing	\$24,166,529.56	62.7
Canned fruits and vegetables manufacturing	\$20,996,133.10	41.8
Bottled and canned soft drinks & water	\$17,708,785.77	22.6
Farm machinery and equipment manufacturing	\$16,237,944.95	36.7
Frozen cakes and other pastries manufacturing	\$5,434,065.09	59.5
Animal, except poultry, slaughtering	\$5,088,668.24	7.1
Veterinary services	\$4,530,902.56	44.4
Sawmill, woodworking, and paper machinery	\$2,006,239.94	8.0
Grain farming	\$1,667,783.87	8.2
All other crop farming	\$1,559,842.13	71.6
Greenhouse, nursery, and floriculture production	\$1,500,176.82	6.1
Other snack food manufacturing	\$1,440,106.31	2.7
Oilseed farming	\$1,430,955.45	2.6
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$1,218,078.98	17.8
Roasted nuts and peanut butter manufacturing	\$1,107,481.19	2.6
Support activities for agriculture and forestry	\$792,213.15	44.5
Other leather and allied product manufacturing	\$501,931.82	6.8
Animal production, except cattle and poultry and eggs	\$318,742.30	3.4
Commercial logging	\$294,396.60	2.6
Poultry and egg production	\$237,948.33	0.3
Forestry, forest products, and timber tract production	\$233,133.58	2.5
Vegetable and melon farming	\$134,118.96	0.8
Fruit farming	\$83,294.05	0.5
Tree nut farming	\$4,832.23	0.1

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

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